

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063143.D
 Acq On : 17 Jul 2019 20:43
 Operator : VA/AP
 Sample : K3852-02
 Misc : 4.54g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:59:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	714667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	969314	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	685421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	269851	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	346102	38.88	ug/l	0.00
Spiked Amount			Recovery	=	77.76%	
35) Dibromofluoromethane	6.92	113	373101	38.64	ug/l	0.00
Spiked Amount			Recovery	=	77.28%	
50) Toluene-d8	10.41	98	744942	35.92	ug/l	0.00
Spiked Amount			Recovery	=	71.84%	
62) 4-Bromofluorobenzene	13.55	95	259068	27.00	ug/l	0.00
Spiked Amount			Recovery	=	54.00%	

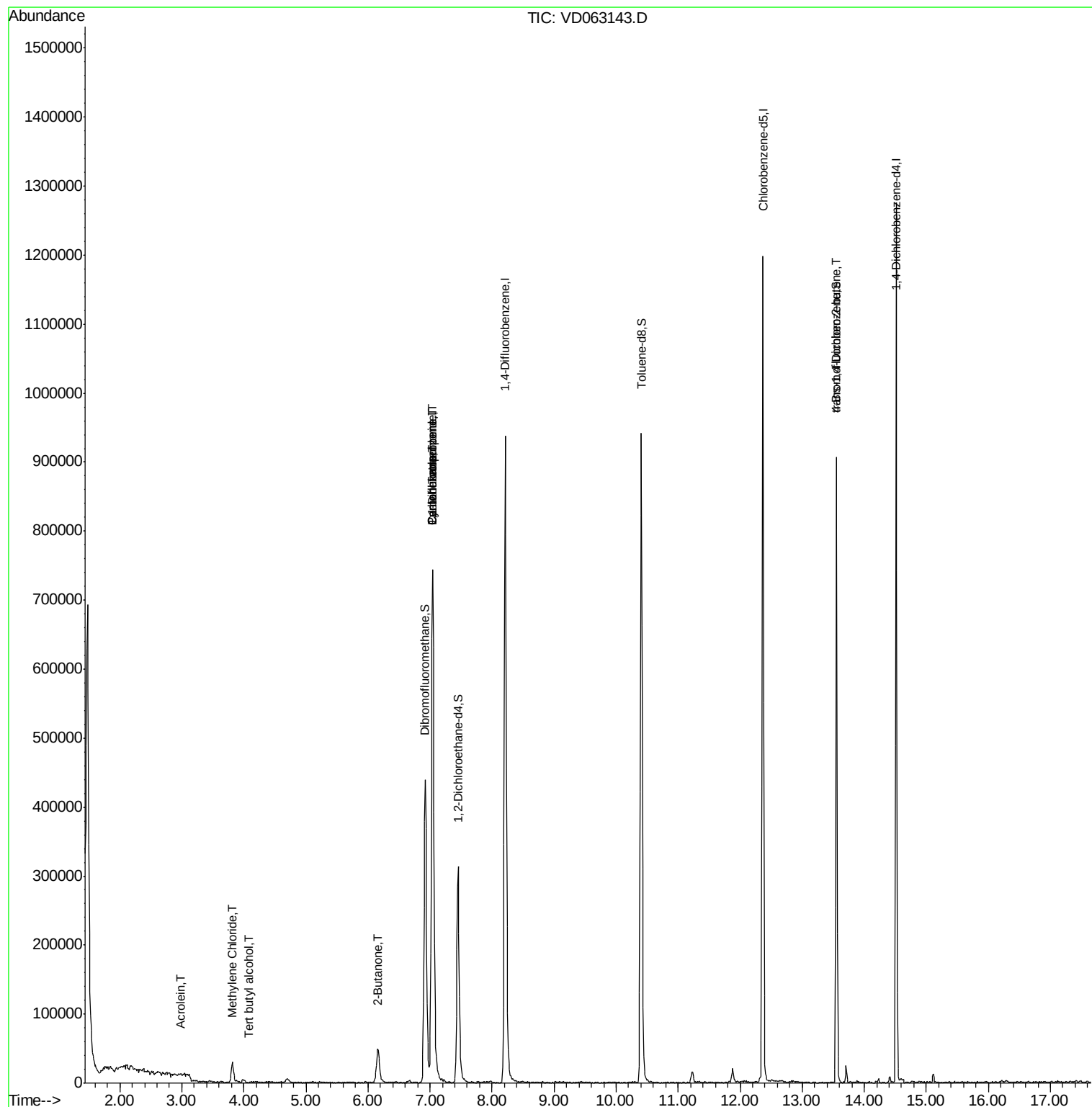
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	183	Below Cal	#	43
3) Chloromethane	1.79	50	360	Below Cal	#	48
5) Bromomethane	2.13	94	1616	Below Cal	#	13
11) Tert butyl alcohol	4.08	59	819	1.594	ug/l #	77
13) Acrolein	2.97	56	405	2.612	ug/l #	17
18) Methyl Acetate	3.63	43	773	Below Cal	#	63
20) Methylene Chloride	3.81	84	15196	1.871	ug/l	99
25) 2-Butanone	6.18	43	4606	2.243	ug/l #	61
31) Cyclohexane	7.04	56	16095	1.899	ug/l #	15
36) 1,1-Dichloropropene	7.04	75	54286	4.980	ug/l #	49
38) Carbon Tetrachloride	7.04	117	70691	4.267	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	120815	110.522	ug/l #	1

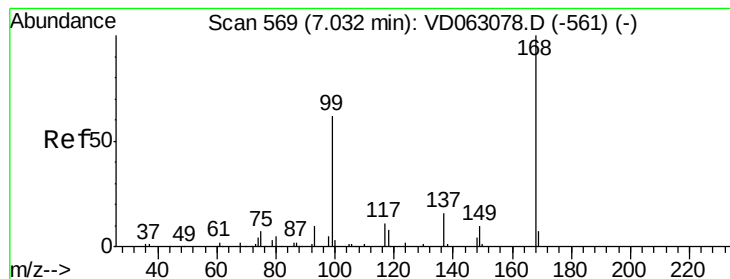
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063143.D

Acq: 17 Jul 2019 20:43

Instrument :

MSVOA_D

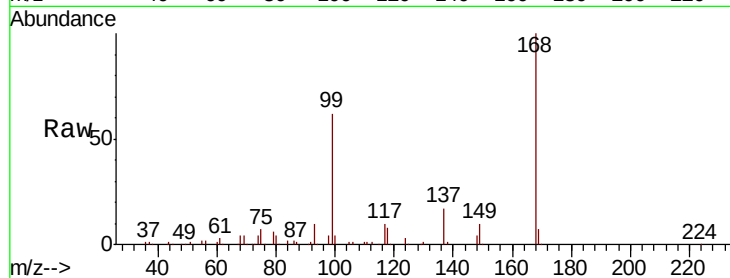
ClientSampleId :

Tot Ion:168 Resp: 714667

Ion Ratio Lower Upper

168 100

99 61.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

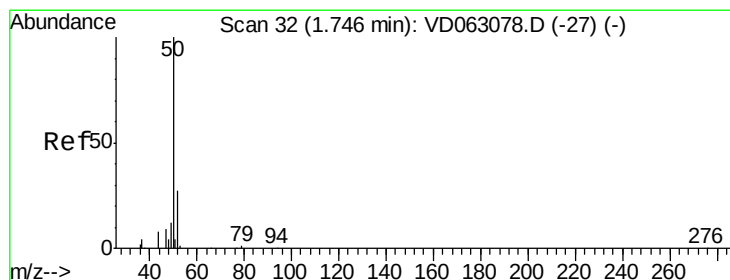
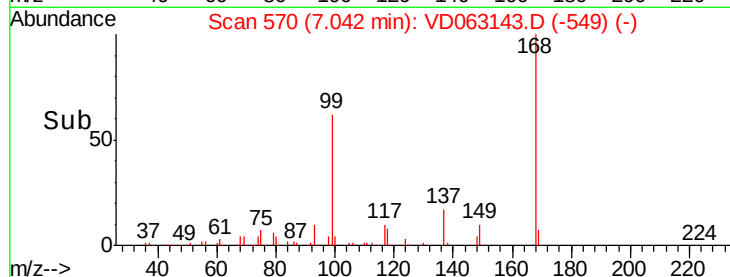
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#3

Chloromethane

Concen: Below Cal

RT: 1.79 min Scan# 36

Delta R.T. 0.04 min

Lab File: VD063143.D

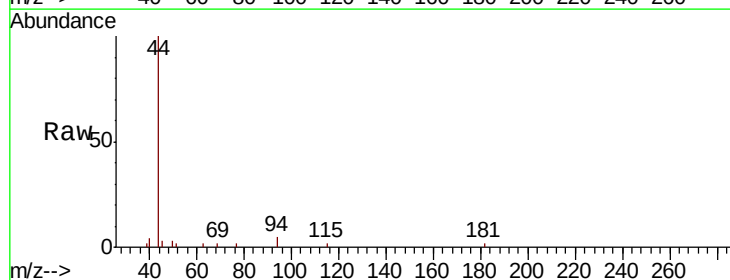
Acq: 17 Jul 2019 20:43

Tgt Ion: 50 Resp: 360

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.79

600

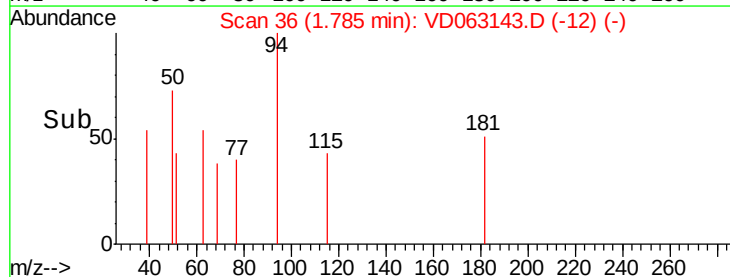
400

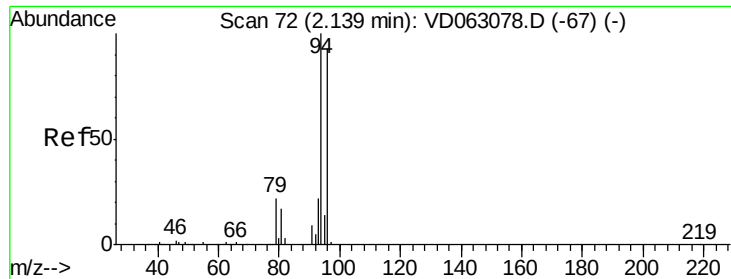
200

0

Time-->

1.76 1.78 1.80





#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD063143.D

Acq: 17 Jul 2019 20:43

Instrument :

MSVOA_D

ClientSampleId :

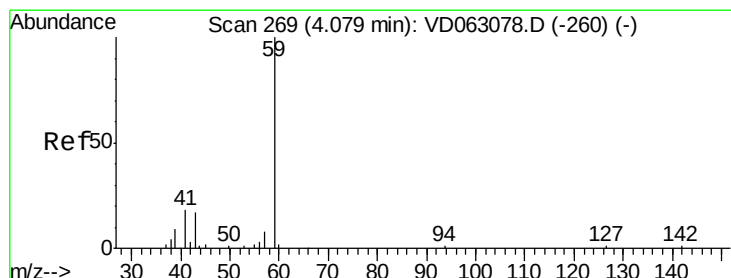
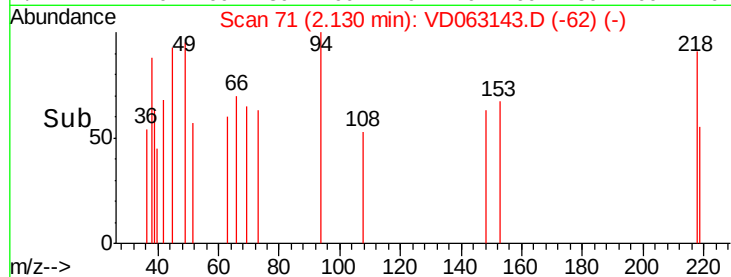
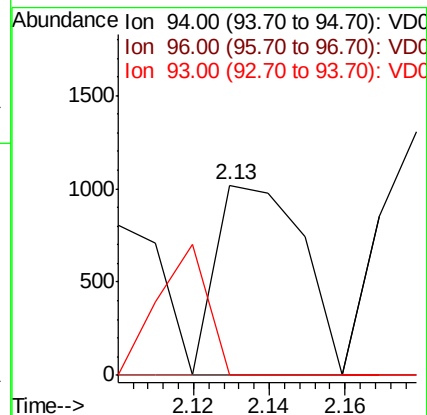
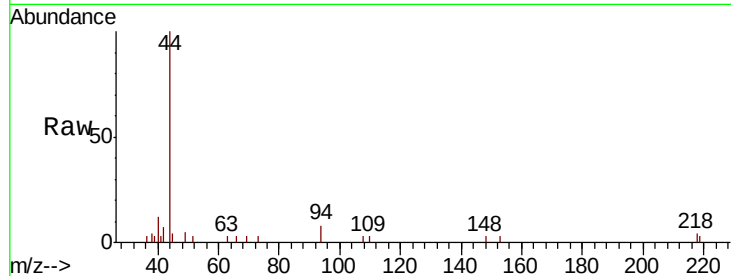
Tot Ion: 94 Resp: 1616

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



#11

Tert butyl alcohol

Concen: 1.594 ug/l

RT: 4.08 min Scan# 269

Delta R.T. 0.00 min

Lab File: VD063143.D

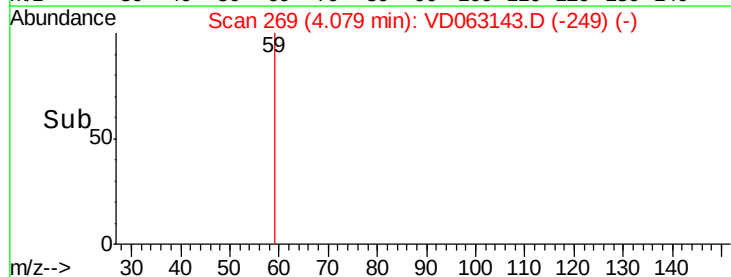
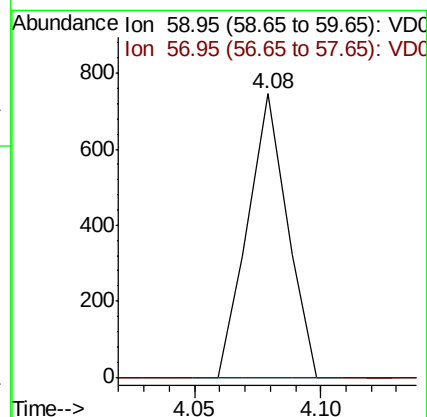
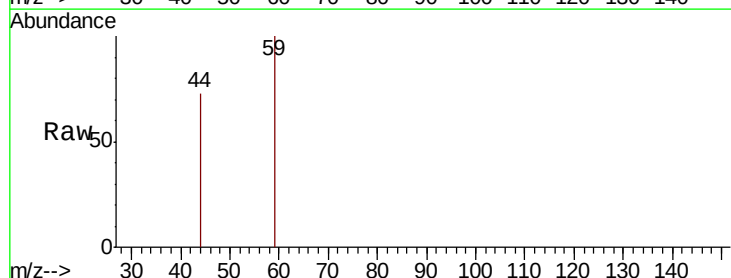
Acq: 17 Jul 2019 20:43

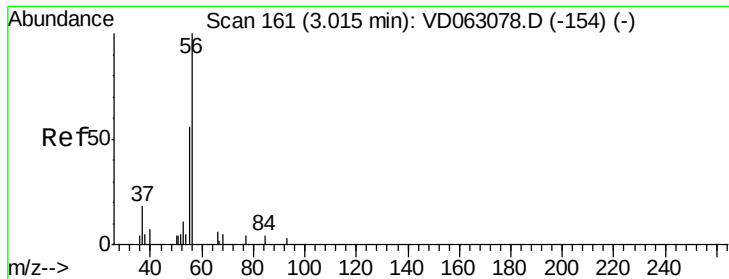
Tgt Ion: 59 Resp: 819

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#

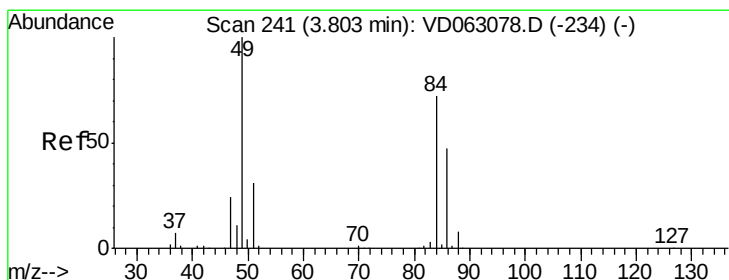
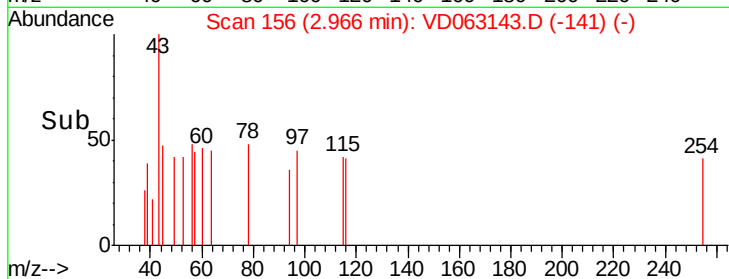
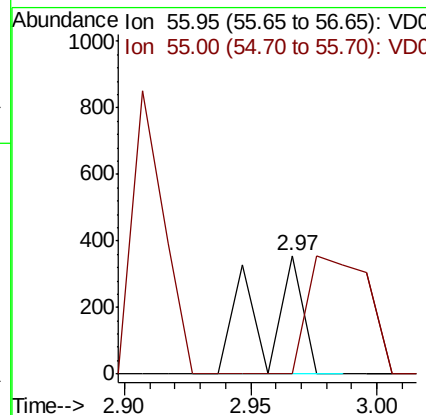
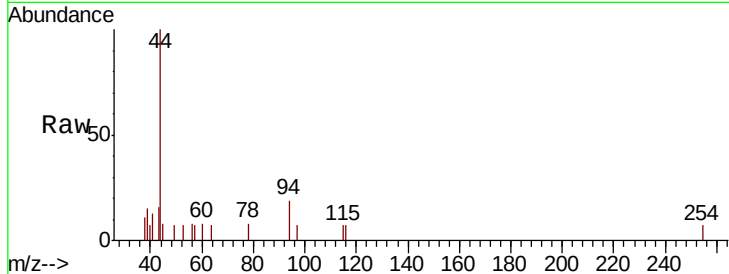




#13
Acrolein
Concen: 2.612 ug/l
RT: 2.97 min Scan# 156
Delta R.T. -0.05 min
Lab File: VD063143.D
Acq: 17 Jul 2019 20:43

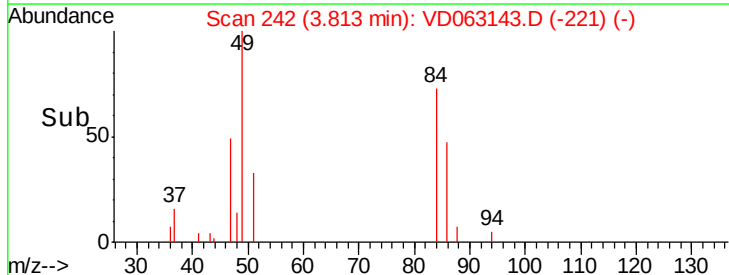
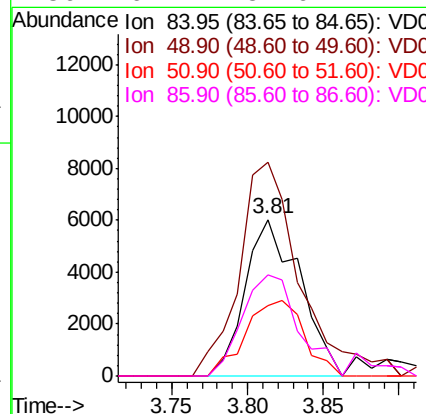
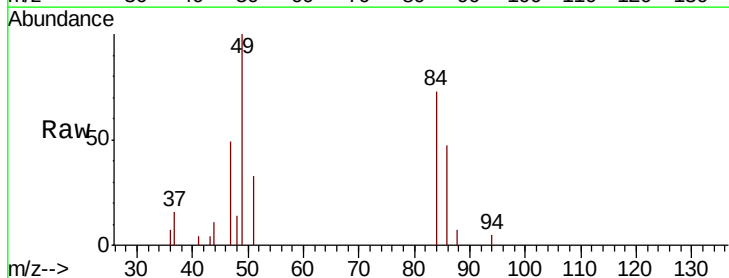
Instrument :
MSVOA_D
ClientSampleId :

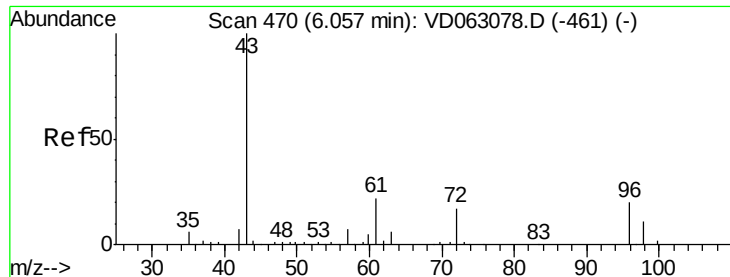
Tot Ion: 56 Resp: 405
Ion Ratio Lower Upper
56 100
55 0.0 53.0 79.4#



#20
Methylene Chloride
Concen: 1.871 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063143.D
Acq: 17 Jul 2019 20:43

Tgt Ion: 84 Resp: 15196
Ion Ratio Lower Upper
84 100
49 136.7 110.5 165.7
51 44.8 34.6 51.8
86 64.7 51.6 77.4





#25

2-Butanone

Concen: 2.243 ug/l

RT: 6.18 min Scan# 482

Delta R.T. 0.12 min

Lab File: VD063143.D

Acq: 17 Jul 2019 20:43

Instrument :

MSVOA_D

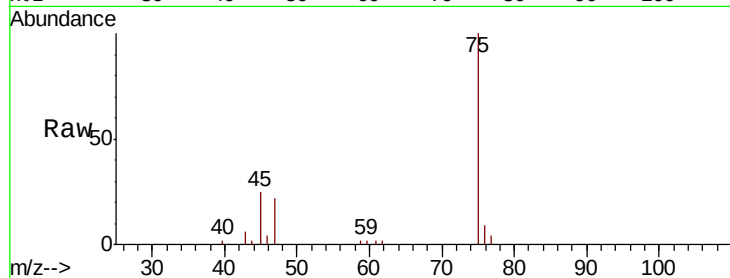
ClientSampleId :

Tot Ion: 43 Resp: 4606

Ion Ratio Lower Upper

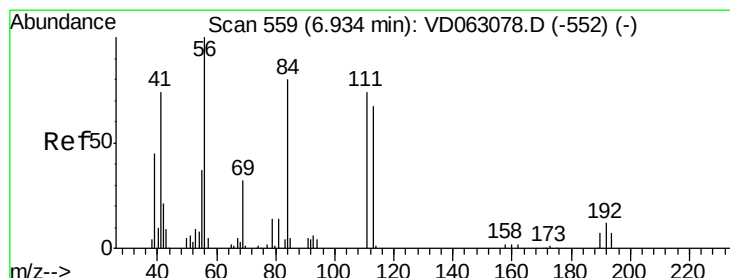
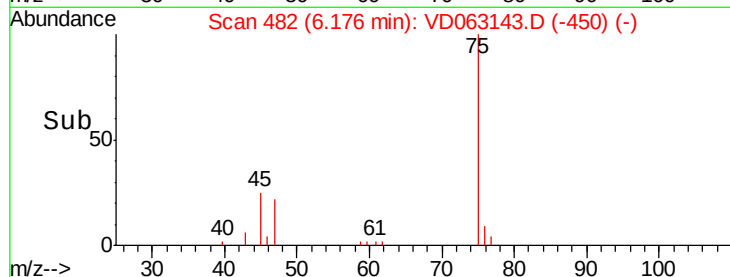
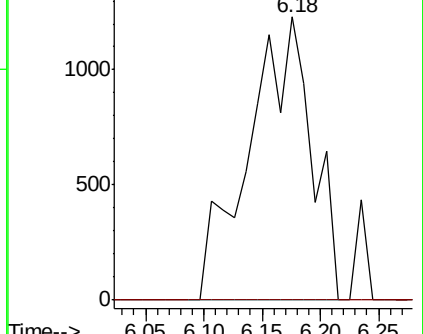
43 100

72 0.0 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.899 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.11 min

Lab File: VD063143.D

Acq: 17 Jul 2019 20:43

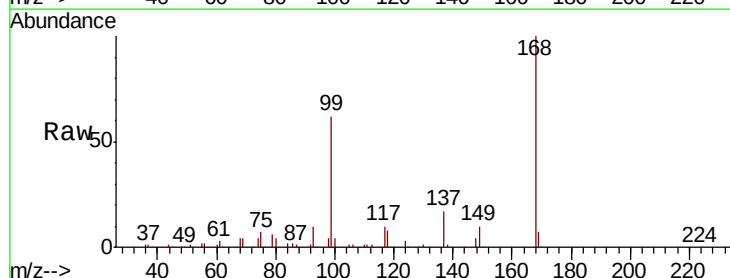
Tgt Ion: 56 Resp: 16095

Ion Ratio Lower Upper

56 100

69 196.5 25.3 37.9#

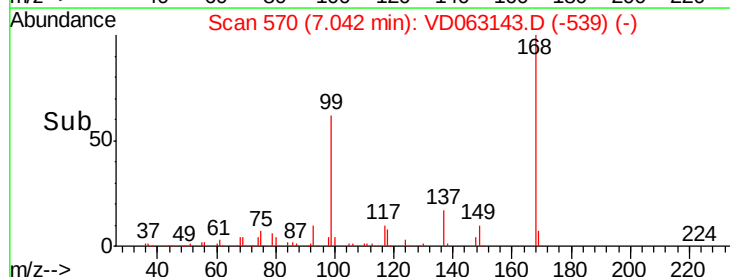
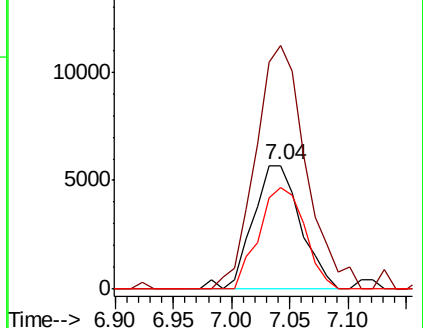
84 81.9 64.2 96.4

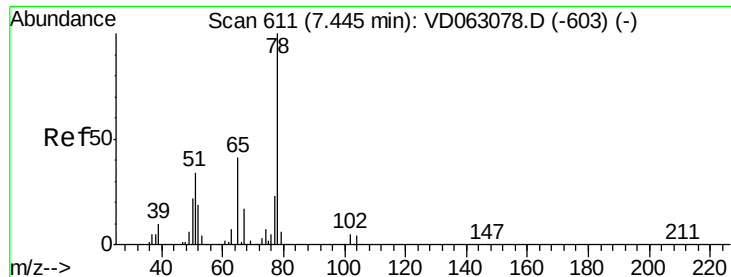


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

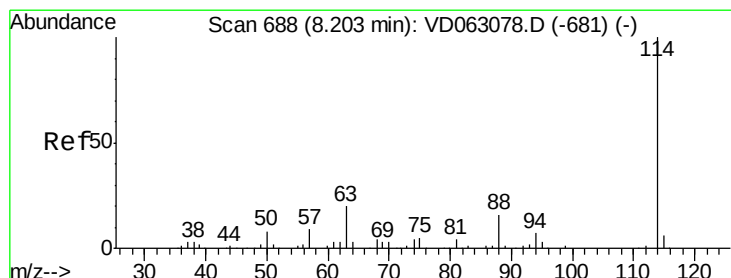
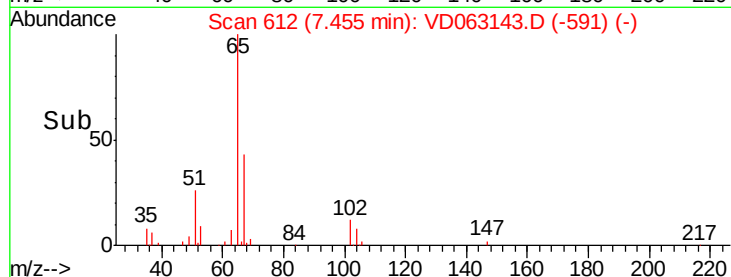
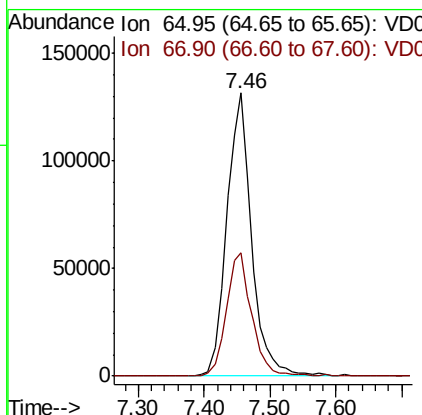
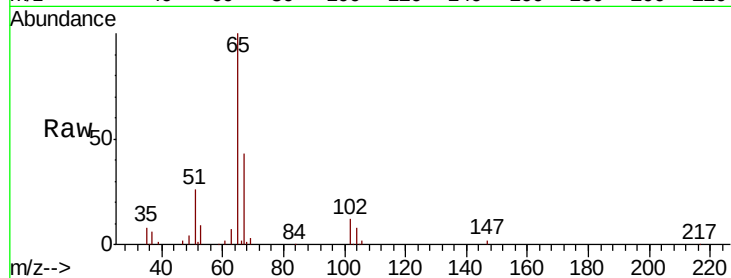




#33
 1,2-Dichloroethane-d4
 Concen: 38.877 ug/l
 RT: 7.46 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063143.D
 Acq: 17 Jul 2019 20:43

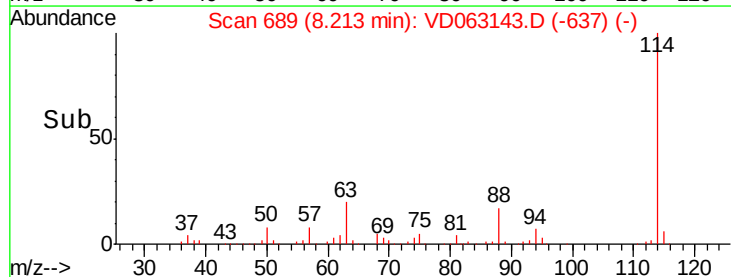
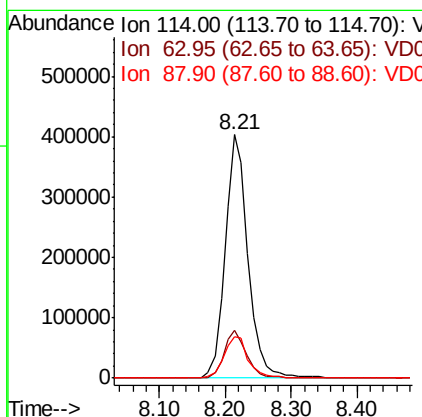
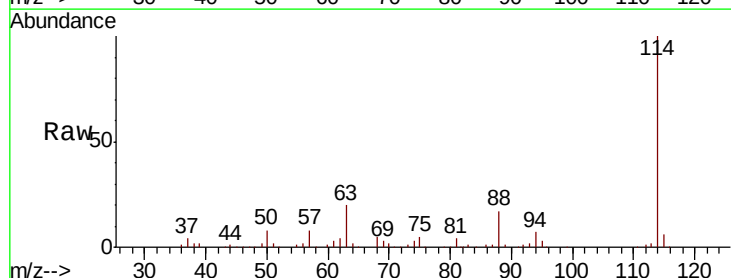
Instrument :
 MSVOA_D
 ClientSampled :

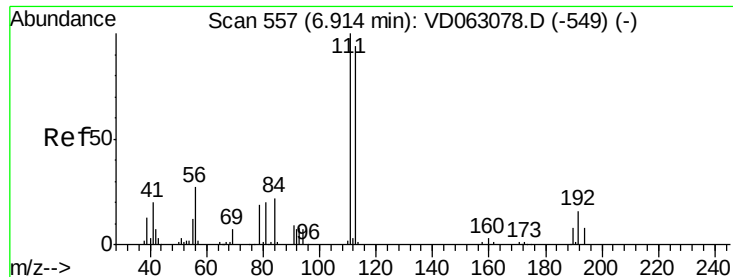
Tot Ion: 65 Resp: 346102
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063143.D
 Acq: 17 Jul 2019 20:43

Tgt Ion: 114 Resp: 969314
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.6
 88 17.1 0.0 32.6

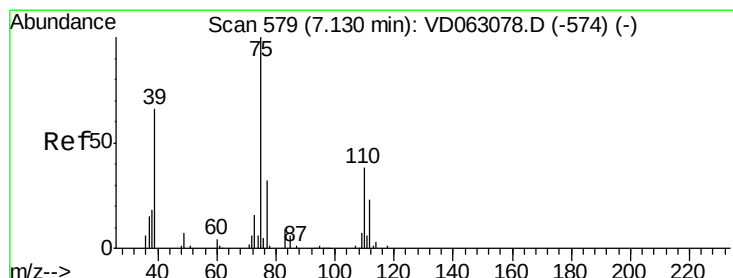
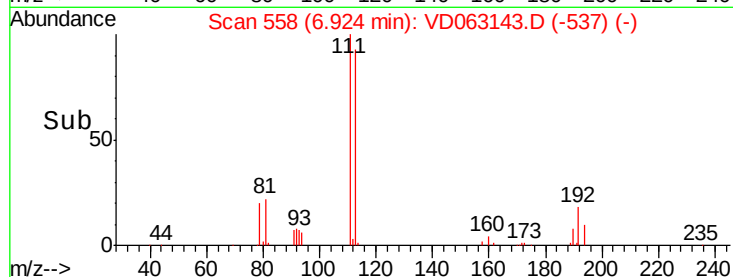
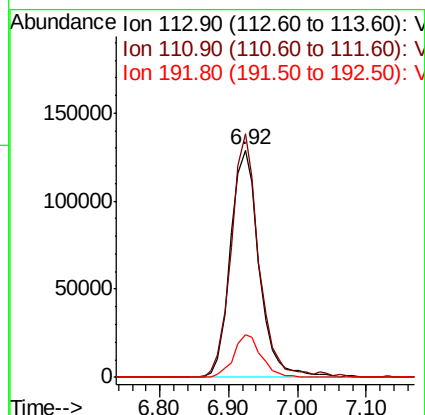
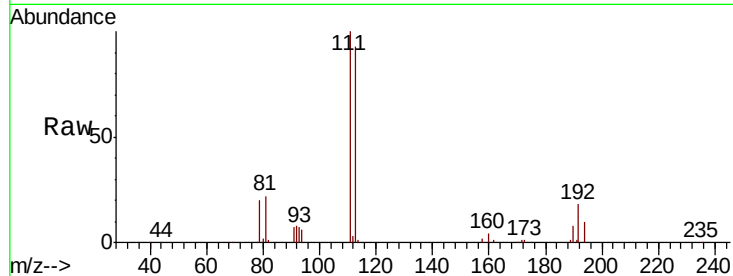




#35
 Dibromofluoromethane
 Concen: 38.645 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063143.D
 Acq: 17 Jul 2019 20:43

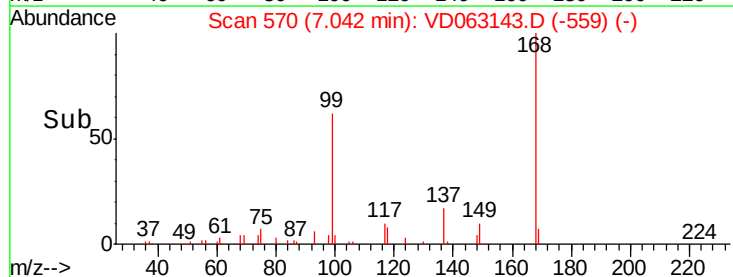
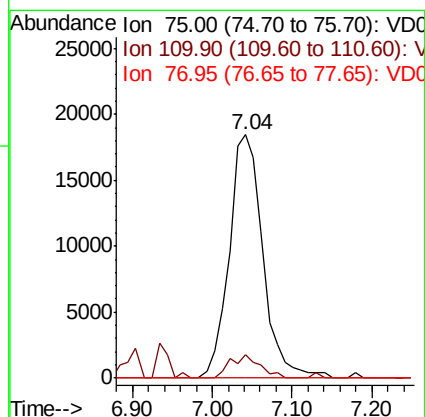
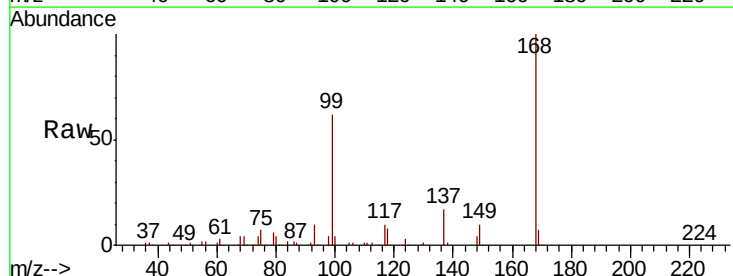
Instrument :
 MSVOA_D
 ClientSampled :

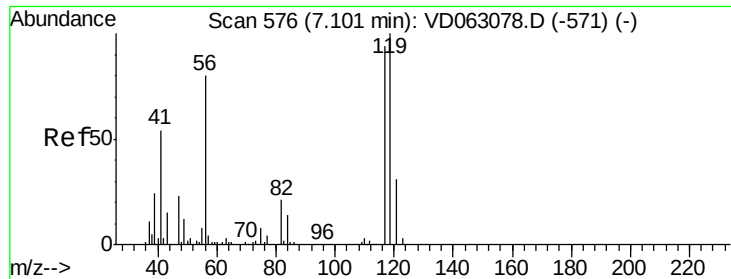
Tot Ion:113 Resp: 373101
 Ion Ratio Lower Upper
 113 100
 111 107.0 84.8 127.2
 192 18.9 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 4.980 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063143.D
 Acq: 17 Jul 2019 20:43

Tgt Ion: 75 Resp: 54286
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.9 56.5#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 4.267 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063143.D

Acq: 17 Jul 2019 20:43

Instrument :

MSVOA_D

ClientSampled :

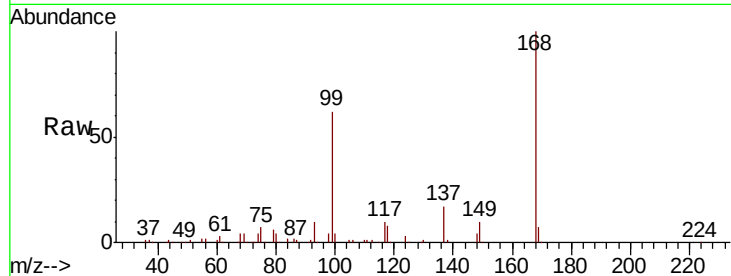
Tot Ion:117 Resp: 70691

Ion Ratio Lower Upper

117 100

119 4.3 80.0 120.0#

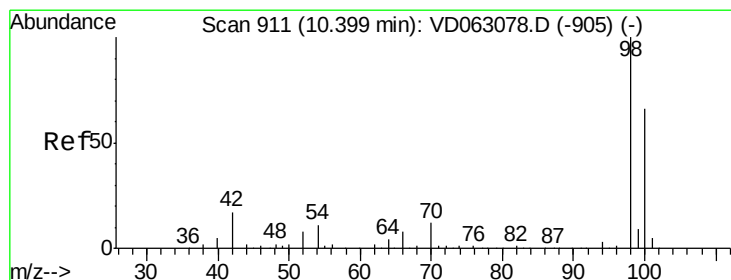
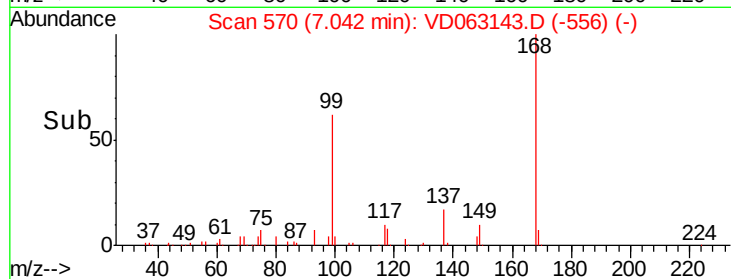
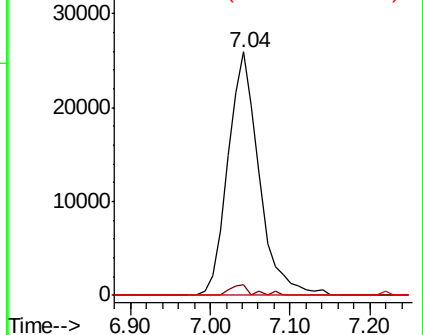
121 0.0 25.0 37.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 35.921 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063143.D

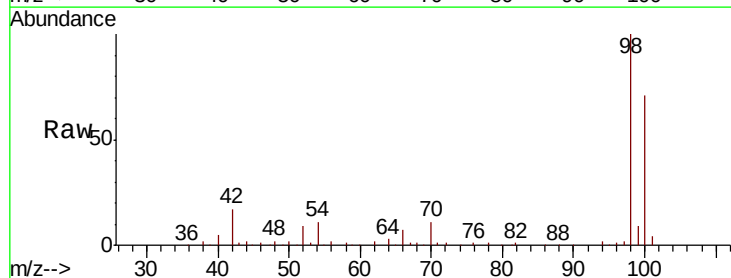
Acq: 17 Jul 2019 20:43

Tgt Ion: 98 Resp: 744942

Ion Ratio Lower Upper

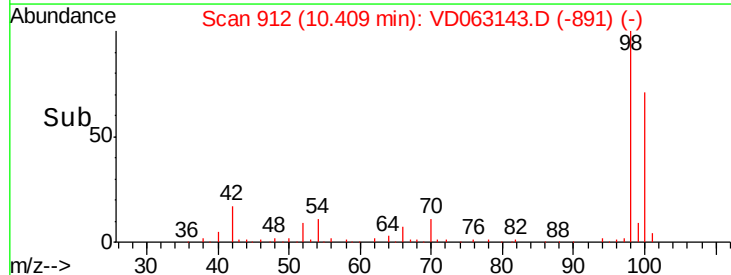
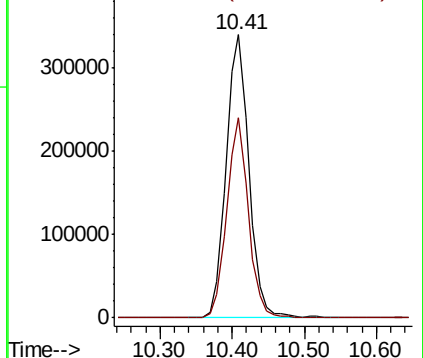
98 100

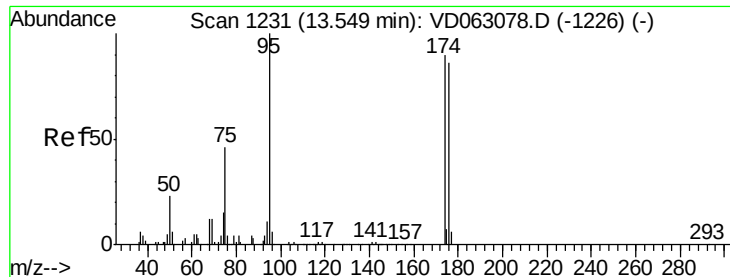
100 70.8 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

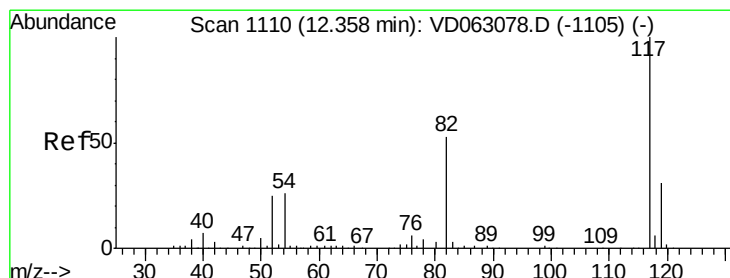
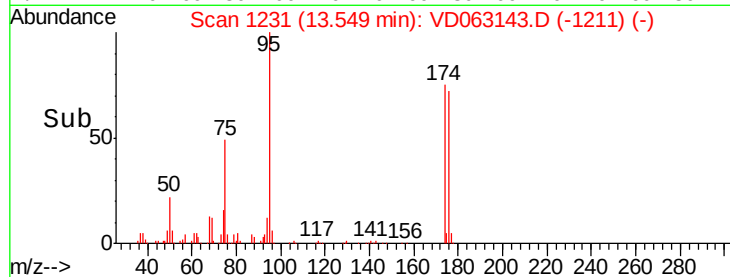
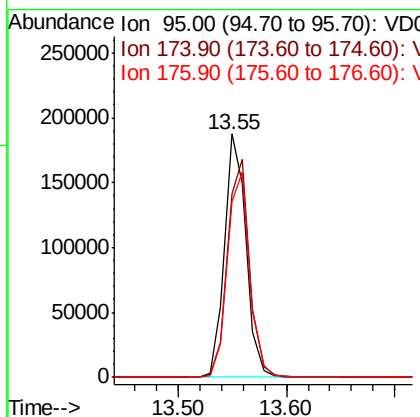
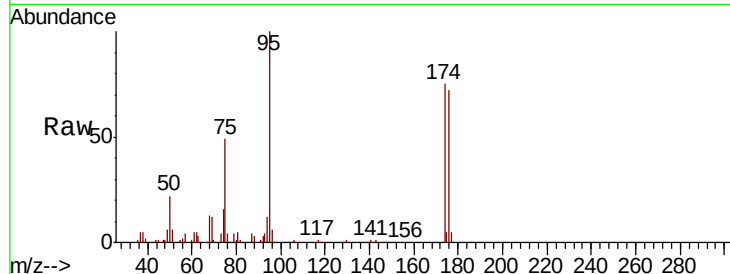




#62
4-Bromofluorobenzene
Concen: 27.003 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD063143.D
Acq: 17 Jul 2019 20:43

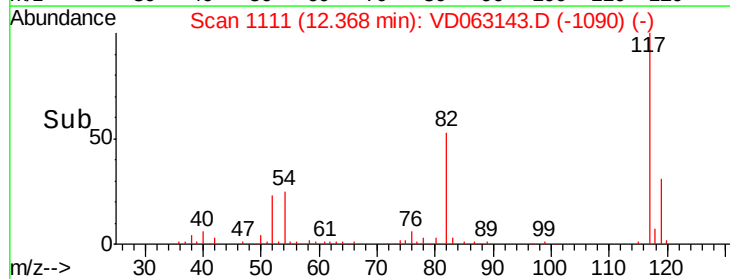
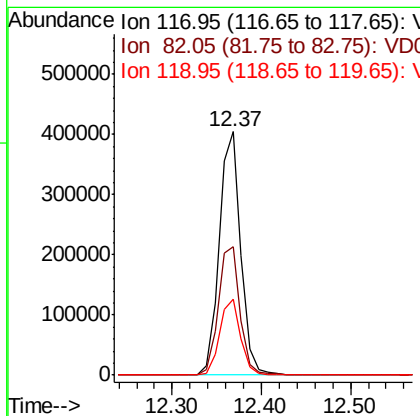
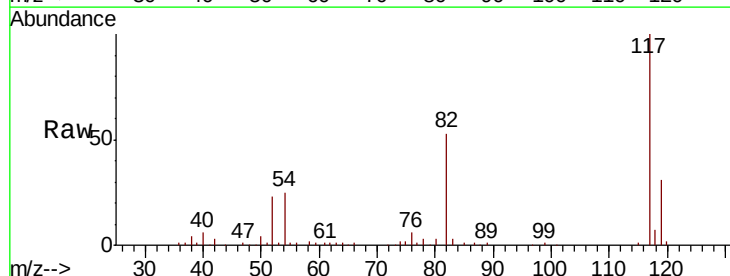
Instrument :
MSVOA_D
ClientSampleId :

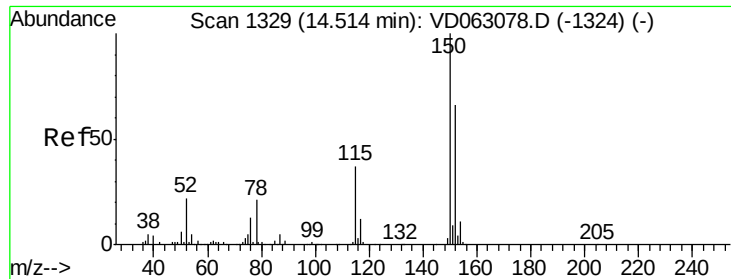
Tot Ion	95	Resp	259068
Ion Ratio	Lower	Upper	
95	100		
174	75.3	0.0	180.6
176	72.3	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063143.D
Acq: 17 Jul 2019 20:43

Tgt Ion	117	Resp	685421
Ion Ratio	Lower	Upper	
117	100		
82	53.0	42.3	63.5
119	31.1	25.2	37.8



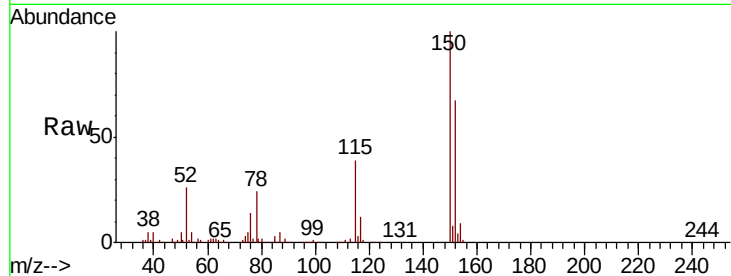


#72

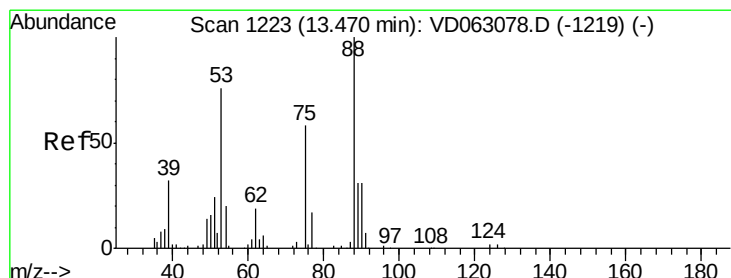
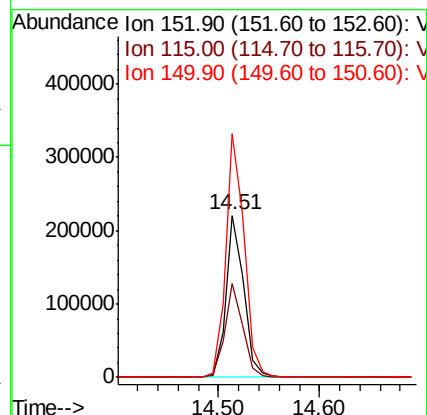
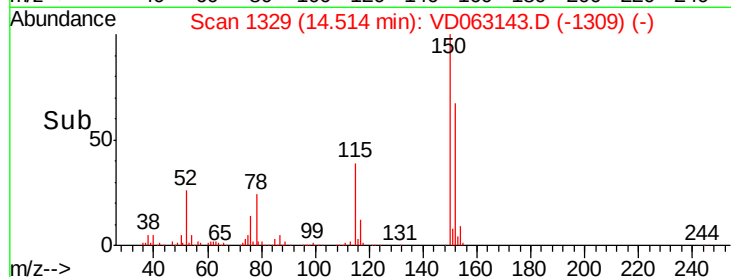
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD063143.D
Acq: 17 Jul 2019 20:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.8
150	150.1	0.0	313.8



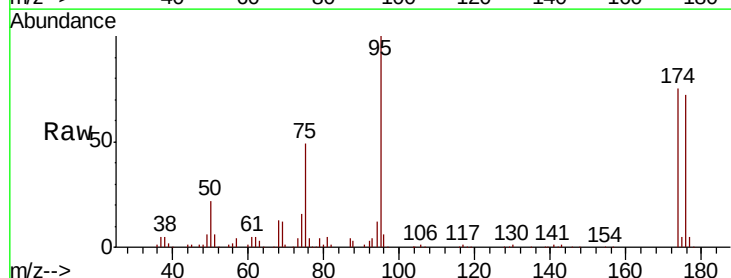
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 110.522 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD063143.D
Acq: 17 Jul 2019 20:43

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	104.4	156.6#
89	0.0	43.1	64.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

